

*Amendments*

*In the Abstract:*

ABSTRACT OF THE DISCLOSURE

Automatic modification of volumetric air flow ~~in~~ in an apparatus for pneumatically feeding at least one ~~a~~ spinning preparation machine, for example a carding machine or cleaner, by means of fibre-flock charging shafts, ~~which are located upstream of the individual spinning preparation machines and which are connected to a pneumatic fibre-transporting line, the transporting line being connected by way of a fibre material feed fan to the fibre-processing machine located upstream;~~ automatic modification of the volumetric air flow (amount of air) is arranged to be carried out.

~~In order to keep the volumetric flow for the conveying of fibre material substantially or completely constant in spite of different charging pressures at at least one fibre material shaft, for different charging pressures in at least one fibre flock charging shaft a~~ A set of characteristic curves describing the volumetric air flow in dependence upon the pressure difference at the fan is stored in a characteristic curve set element; a measurement signal for the actual pressure difference at the fan and also the values relating to the actual speed of rotation of the fan are arranged to be ascertained in a computer unit, ~~the~~ The computer unit is able to determine the actual value of the volumetric air flow from the set of characteristic curves and, in In the event of departure from a desired value for the volumetric air flow, the operating point for the speed of rotation of the fan is arranged to be displaced to the desired value for the volumetric air flow.